What is claimed is:

1. A method for producing an optical recording medium comprising the steps of:

supplying a dye solution; and

coating the dye solution on a substrate by a spin coating method to form a dye recording layer,

wherein the substrate is rotated at a rotation speed of 400 rpm or higher during a period from the beginning of supply of the dye solution.

- 2. The method of claim 1, wherein a dye is contained in the dye solution in an amount of 0.2 to 1.2% by mass.
- 3. A method for producing an optical recording medium comprising the steps of:

supplying a dye solution;

coating the dye solution on a substrate by a spin coating method; and

drying the dye solution to form a dye recording layer,

wherein the method has, in a sequence from the beginning of the supply of the dye solution to the completion of the drying, a low-speed rotation step of rotating the substrate at a speed lower than a speed at the beginning of the supply of the dye solution or than a speed at the end of the supply of the dye solution.

- 4. The method of claim 3, wherein the low-speed rotation step starts immediately after the end of the supply of the dye solution.
- 5. The method of claim 3, wherein a dye is contained in the dye solution in an amount of 1% by mass or less.
- 6. The method of claim 3, wherein the rotation speed of the substrate at the beginning of the supply of the dye solution is 400 rpm or higher.
- 7. The method of claim 3, wherein the rotation speed of the substrate in the low-speed rotation step is from 20 to 400 rpm lower than the speed at the beginning of the supply.
- 8. The method of claim 3, wherein the duration of the low-speed rotation step is 1 to 15 seconds.
- 9. The method of claim 3, wherein the rotation speed of the substrate is increased to a speed of 2000 to 2500 rpm after the end of the low-speed rotation step.
- 10. The method of claim 3, wherein an ambient temperature during coating of the dye solution is from 20 to 40°C.

- 11. The method of claim 3, wherein a relative humidity during coating of the dye solution is from 20 to 60%RH.
- 12. An optical recording medium produced by the method of claim 3.